

**Request to Archive  
With The National Centers for Environmental Information  
For OMPS Limb Profiler SDR and EDR  
Provided by OSPO**

**2014-07-09**

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

**1. Who is the primary point of contact for this request?**

Vaishali Kapoor

OSPO

Physical Scientist

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**2. Name the organization or group responsible for creating the dataset.**

OSPO

**3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.**

1. OMPS Limb Profiler Aerosol Retrieval -- LP-L2-AER-DAILY - 6mb (Or will we do orbital?)

2. OMPS Limb Profiler Ozone Retrieval -- LP-L2-O3-DAILY - 28 mb(or will we do orbital?)

3. OMPS Limb Profiler Ancillary Data -- LP-L1-ANC 1 MB/Orbit

4. OMPS Limb Profiler Gridded Earth View Level 1 -- LP-L1G-EV 1 MB/Orbit.

**4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)**

From 2014-10-15

Ongoing as continuous updates to the data record

**5. Edition or version number(s) of the dataset:**

n/a

**6. Describe the level to which the data are processed. For example, are these unprocessed raw observations, derived parameters, quality controlled or inter-calibrated data, etc.?**

We want to have the Level 1 product, ancillary data, and two Level 2 products archived when we start operational production. They will be the NetCDR versions of the current HDFs that NASA creates.

**7. Approximate date when the dataset was or will be released to the public:**

2014-10-15

**8. Who are the expected users of the archived data? How will the archived data be used?**

C. Long (NCEP/CPC), J. Derber (NCEP/EMC)

Product Oversight Panel (POP) lead: Atmospheric Chemistry POP

Other OPs involved: ICAPOP

**9. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?**

ongoing until operational

**10. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?**

n/a

**11. List the input datasets and ancillary information used to produce the data.**

OMPS Limb Profiler Ancillary Data -- LP-L1-ANC 1 MB/Orbit

**12. List web pages and other links that provide information on the data.**

1. OMPS Limb Profiler Aerosol Retrieval -- LP-L2-AER-DAILY - 6mb (Or will we do orbital?)

2. OMPS Limb Profiler Ozone Retrieval -- LP-L2-O3-DAILY - 28 mb(or will we do orbital?)

3. OMPS Limb Profiler Ancillary Data -- LP-L1-ANC 1 MB/Orbit

4. OMPS Limb Profiler Gridded Earth View Level 1 -- LP-L1G-EV 1 MB/Orbit.

**13. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.**

1. RAD, RID, Maintenance Manual, System Description, Users Manual

**14. Indicate the data file format(s).**

1. netCDF-4

**15. Are the data files compressed?**

No

**16. Provide details on how the files are named and how they are organized (e.g., file\_name\_pattern\_YYYYMM.tar in monthly aggregations).**

unknown - TBD

**17. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?**

data access request

**18. What is the total data volume to be submitted?**

Continuous Data: data volume rate for a continuous data production.

Total Data Volume Rate: 45MB per Day

Data File Frequency: 14 per Day

Data Production Start: 2014-10-15

**19. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.**

file naming patterns are unknown, will modify this request when files names are available

**20. Describe the server that will connect to the ingest server at NCEI for submitting the data.**

Physical Location: NOAA Satellite Operations Facility (NSOF)

System Name: NDE

System Owner: OSPO

Additional Information: NONE

**21. What are the possible methods for submitting the data to NCEI? Select all that apply.**

1. FTP PULL

2. FTP PUSH

**22. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.**

1. Unknown

**23. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?**

No known constraints apply to the data.

**24. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.**

NOAA Mission Goals supported, Weather & Water: Atmospheres, Climate,

Satellite Sub-Goal: Satellite Services

If not archived:

OMPS Limb Profiler measurement will not deliver their full potential.

Preparation for assimilation of high-vertical resolution ozone profiles would reach a dead end.

**25. Are the data archived at another facility or are there plans to do so? Please explain.**

No

**26. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?**

No

**27. Do you have a data management plan for your data?**

No

**28. Have funds been allocated to archive the data at NCEI?**

JPSS funds available for archiving

**29. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.**

N/A

**30. Is there a desired deadline for NCEI to archive and provide access to the data?**

Archive by: 2014-10-15

Accessible by:

**31. Add any other pertinent information for this request.**

This request will need updates after SPSRB declare this product operational.